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United States Patent [19]**Ishikawa et al.****[11] Patent Number: 5,666,655****[45] Date of Patent: Sep. 9, 1997**

[54] **MOBILE COMMUNICATION SYSTEM WITH
AUTONOMOUS DISTRIBUTED TYPE
DYNAMIC CHANNEL ALLOCATION
SCHEME**

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Furuya, Yukitsuna, et al.; "Channel Segregation, a Distributed Adaptive Channel Allocation Scheme for Mobile Communication Systems", IEICE Transactions, vol. E 74, No. 6, Jun. 1991, pp. 1531-1537.

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[51] **Int. Cl.⁶ H04Q 7/20**

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455/161.1; 455/185.1; 455/519; 455/452**

[58] **Field of Search 455/33.1, 34.1,
455/34.2, 54.1, 54.2, 56.1, 67.1, 62, 161.1,
166.1, 166.2, 185.1, 186.1; 379/59, 60**

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40 Claims, 26 Drawing Sheets

CHANNEL ID	USED / UNUSED FLAG	PRIORITY LEVEL TABLE		
		#1	---	#N
ch ₁	0	P _{1,1}	---	P _{N,1}
ch ₂	1	P _{1,2}	---	P _{N,2}
⋮	⋮	⋮	⋮	⋮
ch _{M-1}	0	P _{1,M-1}	---	P _{N,M-1}
ch _M	0	P _{1,M}	---	P _{N,M}

PRIORITY LEVEL TABLE NUMBER	DISTANCE THRESHOLD	MOVING DIRECTION THRESHOLD	MOVING SPEED THRESHOLD
#1	TL ₁	TD ₁	TV ₁
#2	TL ₂	TD ₂	TV ₂
⋮	⋮	⋮	⋮
#N-1	TL _{N-1}	TD _{N-1}	TV _{N-1}
#N	TL _N	TD _N	TV _N